

--6) (New) An endoscopic system for viewing subject matter comprising, in combination:

- 61
- a) at least one excitation light emitting system structured and arranged to illuminate the subject matter with excitation light;
 - b) at least one non-excitation light emitting system structured and arranged to illuminate the subject matter with non-excitation light;
 - c) at least one alternating system structured and arranged to alternate use of said at least one excitation light emitting system and said at least one non-excitation light emitting system,
 - i) wherein said at least one alternating system is structured and arranged to illuminate the subject matter for first periods of time essentially only by said at least one excitation light emitting system, and
 - ii) wherein said at least one alternating system is structured and arranged to illuminate the subject matter for second periods of time by said at least one non-excitation light emitting system;
 - d) at least one filtering system structured and arranged to prevent transmission of excitation light and permit transmission of non-excitation light;
 - e) at least one image sensing system structured and arranged to sense images of the subject matter from light transmitted by said filtering system;
 - f) at least one superimposing system structured and arranged to superimpose such images sensed by said image sensing system,
 - i) wherein at least one such image sensed during such first period of time is superimposed with at least one such image sensed during such second period of time to create at least one such superimposed image; and

- g) at least one image viewing system structured and arranged to permit viewing such at least one superimposed image.
- 7) (New) The endoscopic system according to Claim 6 further comprising an adjuster filter structured and arranged to adjust the intensity of excitation light emitted from said at least one excitation light emitting system.
- 8) (New) The endoscopic system according to Claim 6 further comprising an adjuster filter structured and arranged to adjust the intensity of non-excitation light emitted from said at least one non-excitation light emitting system.
- 9) (New) The endoscopic system according to Claim 6 wherein said at least one image sensing system comprises at least one black-and-white CCD (charged couple device).
- 10) (New) The endoscopic system according to Claim 9 wherein said at least one image sensing system comprises at least three video channels, wherein:
- a) at least one of said video channels transmits at least one such image sensed during such first period of time; and
 - b) at least two of said video channels each transmit at least one such image sensed during such second period of time.
- 11) (New) The endoscopic system according to Claim 6 wherein said at least one image sensing system comprises at least one color CCD (charged couple device).
- 12) (New) The endoscopic system according to Claim 6 wherein said at least one image viewing system comprises at least one video monitor.

13) (New) An endoscopic system for viewing subject matter comprising, in combination:

- c) at least one excitation light emitting system structured and arranged to illuminate the subject matter with excitation light;
- d) at least one non-excitation light emitting system structured and arranged to illuminate the subject matter with non-excitation light;
- e) at least one alternating system structured and arranged to alternate use of said at least one excitation light emitting system and said at least one non-excitation light emitting system,
 - i) wherein said at least one alternating system is structured and arranged to illuminate the subject matter for a first period of time essentially only by said at least one excitation light emitting system, and
 - ii) wherein said at least one alternating system is structured and arranged to illuminate the subject matter for a second period of time by said at least one non-excitation light emitting system;
- f) at least one image sensing system structured and arranged to sense images of the subject matter wherein,
 - i) said at least one image sensing system is structured and arranged to differentiate between excitation and non-excitation light,
 - ii) said at least one image sensing system is structured and arranged to sense at least one first image from essentially only non-excitation light during such first period of time, and
 - iii) said at least one image sensing system is structured and arranged to sense at least one second image from non-excitation light during such second period of time;

- g) at least one superimposing system structured and arranged to superimpose such at least one first image and such at least one second image to create at least one superimposed image; and
- h) at least one image viewing system structured and arranged to permit viewing such at least one superimposed image.
- 14) (New) The endoscopic system according to Claim 13 wherein said at least one image sensing system comprises at least one color CCD (charged couple device).
- 15) (New) The endoscopic system according to Claim 14 wherein said at least one alternating system comprises at least one rotating disc.
- 16) (New) The endoscopic system according to Claim 15 wherein said at least one excitation light emitting system comprises at least one blue filter structured and arranged to
- i) permit transmission of excitation light and
 - j) substantially prevent transmission of non-excitation light.
- 17) (New) The endoscopic system according to Claim 16 further comprising at least one adjuster filter structured and arranged to reduce the intensity of green light.
- 18) (New) The endoscopic system according to Claim 17 further comprising at least one adjuster filter structured and arranged to reduce the intensity of red light.
- 19) (New) The endoscopic system according to Claim 18 wherein said at least one image viewing system comprises at least one video monitor.

20) (New) A fluorescein sodium endoscopic system for viewing subject matter comprising, in combination:

- k) at least one light emitting system, structured and arranged to illuminate the subject matter, comprising,
 - i) at least one source of white light,
 - ii) at least one blue filter structured and arranged to permit transmission of essentially only excitation light,
 - iii) at least one green filter structured and arranged to permit transmission of non-excitation light, and
 - iv) at least one red filter structured and arranged to permit transmission of non-excitation light;
- l) at least one alternating system structured and arranged to alternate use of said at least one blue filter, said at least one green filter, and said at least one red filter, wherein
 - i) for at least one first period of time, said at least one alternating system is structured and arranged to illuminate the subject matter essentially only by light filtered by said at least one blue filter,
 - ii) for at least one second period of time, said at least one alternating system is structured and arranged to illuminate the subject matter essentially only by light filtered by said at least one green filter, and
 - iii) for at least one third period of time, said at least one alternating system is structured and arranged to illuminate the subject matter essentially only by light filtered by said at least one red filter;
- m) at least one barrier filter structured and arranged to substantially prevent transmission of excitation light and permit transmission of non-excitation light;

- n) at least one image sensing system structured and arranged to sense images of the subject matter from light transmitted by said barrier filter wherein,
- i) said at least one image sensing system is structured and arranged to sense at least one first image during the at least one first period of time,
 - ii) said at least one image sensing system is structured and arranged to sense at least one second image during the at least one second period of time, and
 - iii) said at least one image sensing system is structured and arranged to sense at least one third image during the at least one third period of time;
- o) at least one superimposing system structured and arranged to superimpose such at least one first image, such at least one second image, and such at least one third image, to create at least one superimposed image; and
- p) at least one image viewing system structured and arranged to permit viewing such at least one superimposed image.
- 21) (New) The endoscopic system according to Claim 20 wherein said at least one image viewing system comprises at least one video monitor.
- 22) (New) The endoscopic system according to Claim 20 wherein said at least one alternating system comprises at least one rotating disc.
- 23) (New) The endoscopic system according to Claim 20 further comprising at least one adjuster filter structured and arranged to reduce the intensity of green light.
- 24) (New) The endoscopic system according to Claim 20 further comprising at least one adjuster filter structured and arranged to reduce the intensity of red light.